GTAGGTTTTG GGTGTCGGTG AGATCAGTGT TCGACCGAAA TCCAACGCAT TTTCTAATTT
GGATTTCAGA AATCTGGGAG AAGGTAGCAG AATGTCGGAT TCATATGATG ATCGAATGAA
AGATCATGAT ATGGACGAAC GAGCCCCGAT TGATCCGGCG CCATTCTCGT TAAGTGATCT
AAAGAAAGCA ATCCCTGCAC ATTGCTTCCG GCGATCCGCC GTCTGGTCAT CCTGCTACGT
AGTTCAGGAT CTCATTATCA CCTTCCTTTT ATACACGGTC GCCAACACCT ACATTCCTCA
CCTCCCTCCT CCTCTAGTTT ACTTAGCATG GCCGGTTTAC TGGTTTTGCC AATCTTGCAT
CCTCACTGGT TTATGGGTCC TCGGCCATGA ATGCGGCCAT CATGCCTTTA GTGAGTACCA
GTGGATTGAT AACGCCGTTG GATTCGTCCT CCATTCGGCT CTCCTCACCC CTTACTTTTC
TTGGAAATAC AGCCATCGAA AGCACCATGC AAACACAAAT TCACTCGAAA ACGAGGAAGT
TTACATTCCT AGAACTCAGT CCCAGCTCAG GACTTACTCC ACATACGAAT TTCTTGACAA
CACGCCTGGT CGAATCCTCA TCTTGGTCAT CATGTTAACC TTAGGATTTC CTTTATACCT
CTTAACGAAT GTTTCAGGCA AGAAGTACGA TAGATTTACC AACCACTTTG ATCCATTGAG
CCCGATCTTC ACCGAGCGTG AGCGAATCCA GGTTGCGTTA TCAGATCTTG GTATCGTTGC
AGTGTTTTAC GGACTCAAGT TTCTTGTACA AACAAAAGGA TTTGGTTGGG TGATGTGCAT
GTATGGAGTT CCAGTGATAG GTCTGAATTC CTTCATTATC GTAATCACTT ATCTGCACCA
CACACATCTG TCGTCACCCC ATTACGATTC AACCGAATGG AACTGGATCA AAGGAGCCTT
GACCACAATC GACAGAGATT TCGGTCTCCT GAATCGGGTT TTCCACGACG TTACACACAC
CCACGTGTTG CACCATTTGT TTCCCTACAT TCCACATTAT CATGCAAAGG AGGCAAGCCA
GGCCATCAAG CCAATCTTGG GTGATTACAG GATGATCGAC AGGACTCCAT TTTTCAAAGC
AATGTGGAGA GAGGCCAAGG AATGCATTTA CATCGAGCAA GATGCAGACA GCAAGCACAA
AGGGACATAT TGGTACCATA AAATGTAATC GATGATGGAG TTTAGTTGGA AATAATGACA
TGCAGCATCC CTTTTGTATG CTTGAATCGT TCTATTTCTT TATATGTTTT GTAAGATAAA
TAAGTAAATC TTTGAGTGAA GATGGGGAGC AGGAAACAAG CAGAATATAA TACGCTAAAA
AAAAAAAAAA AAAAAAAAAA AAAAAA

Figure 1

MSDSYDDRMK DHDMDERAPI DPAPFSLSDL KKAIPAHCFR RSAVWSSCYV
VQDLIITFLL YTVANTYIPH LPPPLVYLAW PVYWFCOSCI LTGLWVLGHE
CGHHAFSEYQ WIDNAVGFVL HSALLTPYFS WKYSHRKHHA NTNSLENEEV
YIPRTQSQLR TYSTYEFLDN TPGRILILVI MLTLGFPLYL LTNVSGKKYD
RFTNHFDPLS PIFTERERIQ VALSDLGIVA VFYGLKFLVQ TKGFGWVMCM
YGVPVIGLNS FIIVITYLHH THLSSPHYDS TEWNWIKGAL TTIDRDFGLL
NRVFHDVTHT HVLHHLFPYI PHYHAKEASE AIKPILGDYR MIDRTPFFKA
MWREAKECIY IEQDADSKHK GTYWYHKM

Figure 2

```
            1                                                        50
Stokesia    ~~~~~~~~~~ ~~~~~~~~~~ GTAGGTTTTG GGTGTCGGTG AGATCAGTGT
Vernonia    TTATGAAAGC TCGATCGGTG TTCGATCAAT TCAAATCGAC GAACACGAAA
Crepis      ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~

            51                                                      100
Stokesia    TCGACCGAAA TCCAACGCAT TTTCTAATTT GGATTTCAGA AATCTGGGAG
Vernonia    TCGAACTCAA CAATTCAAAT CTGGAAATAT TAATTGGATC AAGCGGGCGG
Crepis      ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~gagaag

            101                                                     150
Stokesia    AAGGTAGCAG AATGTCGGAT TCATATGATG ATC....... .....GAATG
Vernonia    A...TATGAT GATGTCGGAT TCATGTGATG ATCATGATCA GCTGGTGAAA
Crepis      ttgaccataa atcatttatc aacatgggtg ccggcggtcg tggtcggaca

            151                                                     200
Stokesia    AAAGATCATG ATATGGACGA ACGAGCCCCG ATTGATCCGG CGCCATTCTC
Vernonia    GATGATCATA ATATAAACGA ACGTGCACCG GTTGATGCGG CACCATTCTC
Crepis      tcggaaaaat cggtcatgga acgtgtctca gttgatccag taaccttctc

            201                                                     250
Stokesia    GTTAAGTGAT CTAAAGAAAG CAATCCCTGC ACATTGCTTC CGGCGATCCG
Vernonia    GTTAAGCGAT CTAAAGAAAG CAATCCCTCC GCATTGCTTC CAGCGATCTG
Crepis      actgagtgaa ttgaagcaag caatccctcc ccattgcttc cagagatctg

            251                                                     300
Stokesia    CCGTCTGGTC ATCCTGCTAC GTAGTTCAGG ATCTCATTAT CACCTTCCTT
Vernonia    CCATCCGTTC ATCGTGCTAC GTTGTTCAGG ATCTCATTAT TACCTTCCTT
Crepis      taatccgctc atcttactat gttgttcaag atctcattat tgcctacatc

            301                                                     350
Stokesia    TTATACACGG TCGCCAACAC CTACATTCCT CACCTCCCTC CTCCTCTAGT
Vernonia    TTATACACGC TCGCCAACTC TTACATTCCT CTTCTTCCTC CTCCTCTACC
Crepis      ttctacttcc ttgccaacac atatatccct actcttccta ctagtctagc

            351                                                     400
Stokesia    TTACTTAGCA TGGCCGGTTT ACTGGTTTTG CCAATCTTGC ATCCTCACTG
Vernonia    TTACTTAGCA TGGCCTGTTT ACTGGTTTTG CCAATCTTCG ATCCTCACTG
Crepis      ctacttagct tggcccgttt actggttctg tcaagctagc gtcctcactg

            401                                                     450
Stokesia    GTTTATGGGT CCTCGGCCAT GAATGCGGCC ATCATGCCTT TAGTGAGTAC
Vernonia    GTTTATGGGT CATTGGCCAT GAATGTGGCC ATCATGCTTA TAGTGAGTAC
Crepis      gcttatggat cctcggccac gaatgtggtc accatgcctt tagcaactac

            451                                                     500
Stokesia    CAGTGGATTG ATAACGCCGT TGGATTCGTC CTCCATTCGG CTCTCCTCAC
Vernonia    CAGTGGGTTG ATAACACCGT TGGATTCATC CTCCATTCCT TTCTTCTCAC
Crepis      acatggtttg acgacactgt gggcttcatc ctccactcat ttctcctcac

            501                                                     550
Stokesia    CCCTTACTTT TCTTGGAAAT ACAGCCATCG AAAGCACCAT GCAAACACAA
Vernonia    ACCTTACTTT TCTTGGAAAT ACAGCCATCG AAAGCACCAT GCCAACACGA
```

Figure 3A

```
Crepis      cccgtatttc tcttggaaat tcagtcaccg gaatcaccat tccaacacaa

            551                                                 600
Stokesia    ATTCACTCGA AAACGAGGAA GTTTACATTC CTAGAACTCA GTCCCAGCTC
Vernonia    ATTCACTCGA AAACGAGGAG GTTTACATTC CTAAAGCCAA GTCCCAGCTC
Crepis      gttcgattga taacgatgaa gtttacattc cgaaaagcaa gtccaaactc

            601                                                 650
Stokesia    AGGACTTACT CCACATACGA ATTTCTTGAC AACACGCCTG GTCGAATCCT
Vernonia    AGGAATTACT CCAATTTCAA ATTTCTTGAC AACACCCCTG GTCGAATCTT
Crepis      gcgcgt.... ..atctataa acttcttaac aacccacctg gtcggctgtt

            651                                                 700
Stokesia    CATCTTGGTC ATCATGTTAA CCTTAGGATT TCCTTTATAC CTCTTAACGA
Vernonia    CATTTTGCTT ATCATGTTGA CCTTGGGCTT TCCTTTATAC CTCTTGACCA
Crepis      ggttttgatt atcatgttca ccctaggatt tcctttatac ctcttgacaa

            701                                                 750
Stokesia    ATGTTTCAGG CAAGAAGTAC GATAGATTTA CCAACCACTT TGATCCATTG
Vernonia    ATATTTCAGG CAAGAAATAC CAAAGGTTTG CCAACCACTT TGATCCGTTG
Crepis      atatttccgg caagaaatac gacaggtttg ccaaccactt cgaccccatg

            751                                                 800
Stokesia    AGCCCGATCT TCACCGAGCG TGAGCGAATC CAGGTTGCGT TATCAGATCT
Vernonia    AGCCCCATCT TCAGTGAGCG TGAACGAATC CAGGTCGTGC TATCGGATGT
Crepis      agtccaattt tcaaagaacg tgagcggttt caggtcttcc tttcggatct

            801                                                 850
Stokesia    TGGTATCGTT GCAGTGTTTT ACGGACTCAA GTTTCTTGTA CAAACAAAAG
Vernonia    GGGTCTCATT GCTGTGTTTT ACGGGCTTAA GTTTCTTGTA GCGAAAAAAG
Crepis      tggtcttctt gccgtgtttt atggaattaa agttgctgta gcaaataaag

            851                                                 900
Stokesia    GATTTGGTTG GGTGATGTGC ATGTATGGAG TTCCAGTGAT AGGTCTGAAT
Vernonia    GGTTCGGTTG GGTAATGCGC ATGTACGGAG CCCCAGTGGT TGGGCTGAAT
Crepis      gagctgcttg ggtagcgtgc atgtatggag ttccggtatt aggcgtattt

            901                                                 950
Stokesia    TCCTTCATTA TCGTAATCAC TTATCTGCAC CACACACATC TGTCGTCACC
Vernonia    GCCTTCATAA TAATGATCAC TTATCTCCAC CACACCCATC TGTCTTCGCC
Crepis      acctttttcg atgtgatcac cttcttgcac cacacccatc agtcgtcgcc

            951                                                1000
Stokesia    CCATTACGAT TCAACCGAAT GGAACTGGAT CAAAGGAGCC TTGACCACAA
Vernonia    TCATTACGAT TCGACCGAAT GGAACTGGAT CAAAGGAGCC TTGACTACAA
Crepis      tcattatgat tcaactgaat ggaactggat cagaggggcc ttgtcagcaa

            1001                                               1050
Stokesia    TCGACAGAGA TTTCGGTCTC CTGAATCGGG TTTTCCACGA CGTTACACAC
Vernonia    TCGATAGAGA TTTCGGTCTC CTGAATAGGG TGTTCCATGA CGTCACTCAC
Crepis      tcgataggga ctttggattc ctgaatagtg ttttccatga tgttacacac

            1051                                               1100
Stokesia    ACCCACGTGT TGCACCATTT GTTTCCCTAC ATTCCACATT ATCATGCAAA
Vernonia    ACACACGTGT TGCATCATTT GTTCCCGTAC ATTCCACATT ATCATGCAAA
```

Figure 3B

```
Crepis      actcatgtca tgcatcattt gttttcatac attccacact atcatgcaaa

            1101                                                1150
Stokesia    GGAGGCAAGC GAGGCCATCA AGCCAATCTT GGGTGATTAC AGGATGATCG
Vernonia    GGAGGCGAGC GACGCAATAA AGCCGGTGTT AGGGGAGTAT CGGATGATCG
Crepis      ggaggcaagg gatgcaatca agccaatctt gggcgacttt tatatgatcg

            1151                                                1200
Stokesia    ACAGGACTCC ATTTTTCAAA GCAATGTGGA GAGAGGCCAA GGAATGCATT
Vernonia    ATAGGACTCC GTTTTACAAA GCAATGTGGA GAGAGGCGAA GGAATGCATC
Crepis      acaggactcc aattttaaaa gcaatgtgga gagagggcag ggagtgcatg

            1201                                                1250
Stokesia    TACATCGAGC AAGATGCAGA CAGCAAGCAC AAAGGGACAT ATTGGTACCA
Vernonia    TACATCGAGC CAGATGAAGA TAAGAAGCAC AAAGGTGTAT ATTGGTACCA
Crepis      tacatcgagc ctgat..... .agcaagctc aaaggtgttt attggtatca

            1251                                                1300
Stokesia    TAAAATGTAA TCGATGATGG AGTTTAGTTG GAAATAATGA CATGCAGCAT
Vernonia    TAAAATGTGA TACGAGCTGA GTACGTAGTA CGTTGTATGC TTTTGTAACG
Crepis      taaattgtga tcatatgcaa aatgcacatg cattttcaaa ccctctagtt

            1301                                                1350
Stokesia    CCCTTTTGTA TGCTTGAATC GTTCTATTTC TTTATATGTT TTGTAAGATA
Vernonia    TTTTGTAAGA TAAATAAATA AATCTTGAAT GAAGATAAAA AAAAAAAAAA
Crepis      acgtttgttc tatgtataat aaaccgccgg tcctttggtt gactatgcct

            1351                                                1400
Stokesia    AATAAGTAAA TCTTTGAGTG AAGATGGGGA GCAGGAAACA AGCAGAATAT
Vernonia    AAAAAAAAAA AAAAAAA~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~
Crepis      aagccaggcg aaacagttaa ataatatcgg tatgatgtgt aatgaaagta

            1401                                                1450
Stokesia    AATACGCTAA AAAAAAAAAA AAAAAAAAAA AAAAAAAA~~ ~~~~~~~~~~
Vernonia    ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~~
Crepis      tgtggttgtc tggttttgtt gctatgaaag aaagtatgtg gttgtcggtc
```

Figure 3C

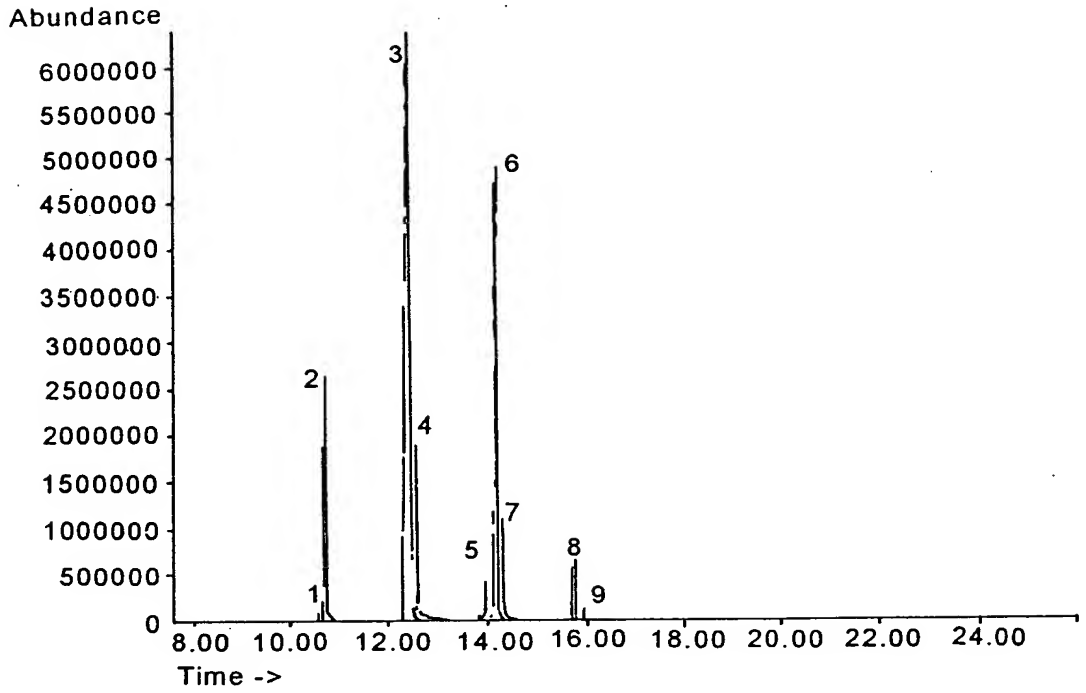


Figure 4A

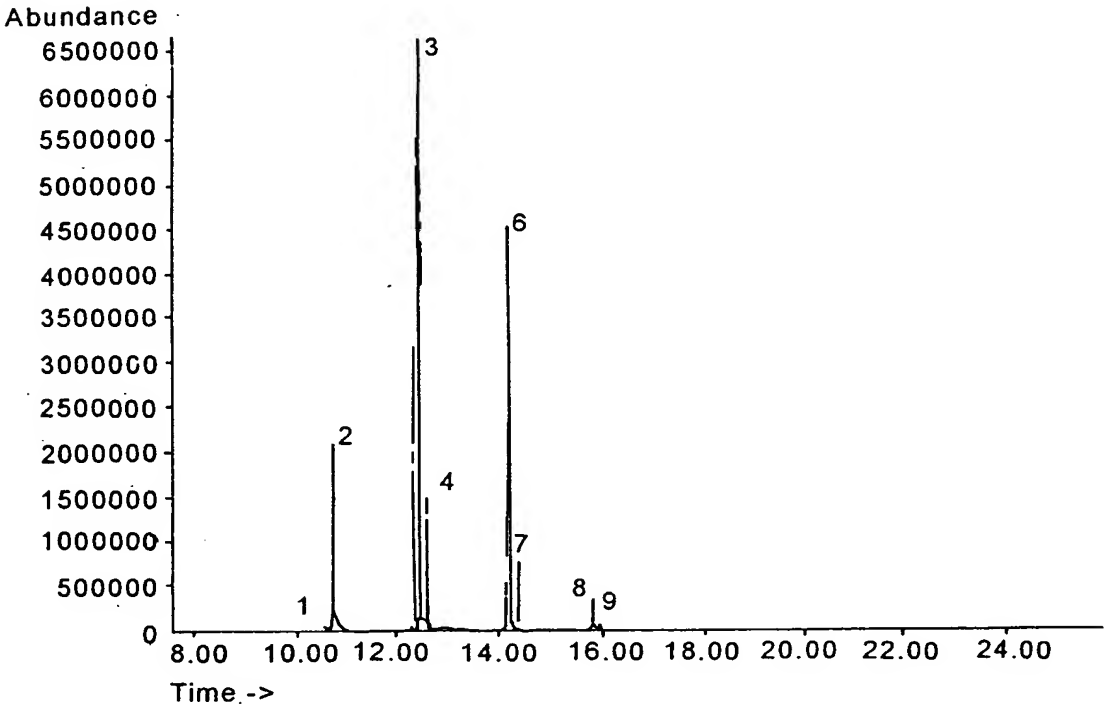


Figure 4B

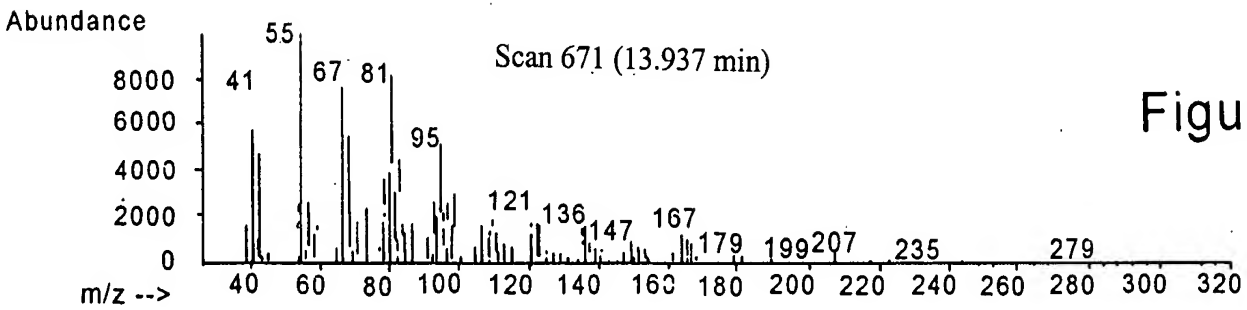


Figure 4C

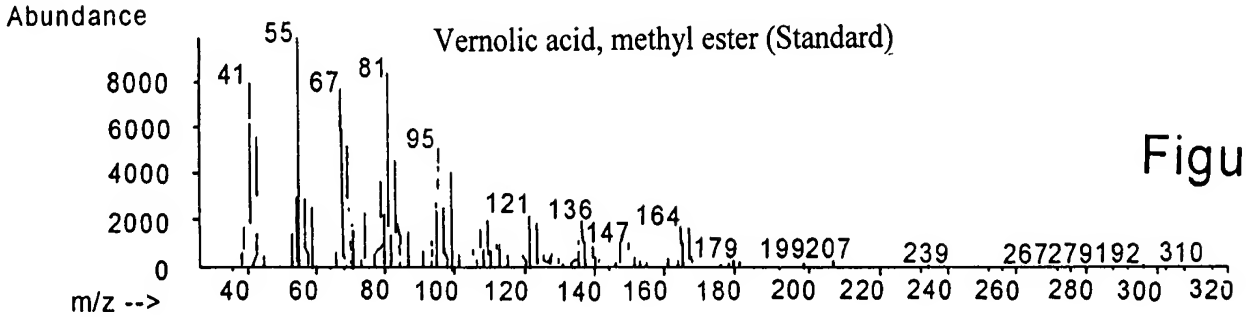
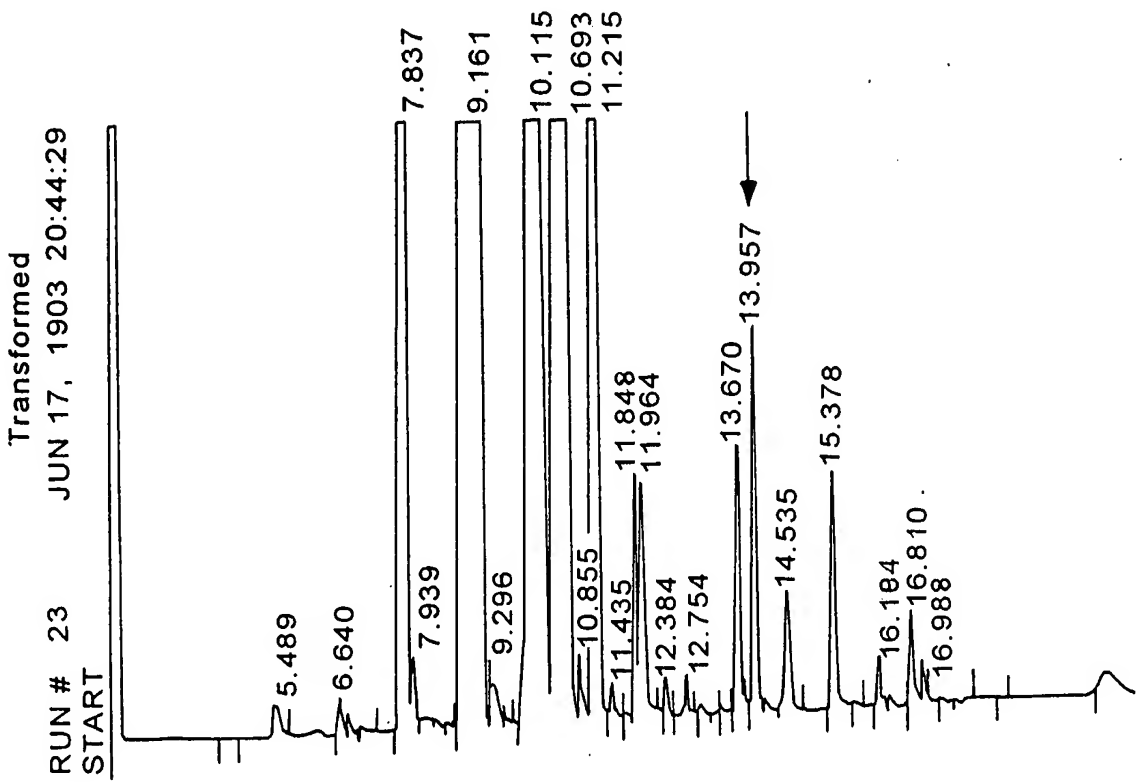


Figure 4D



RUN# 23 JUN 17, 1903 20:44:29

SAMPLE NAME: KESHUN SAMPLE# 5

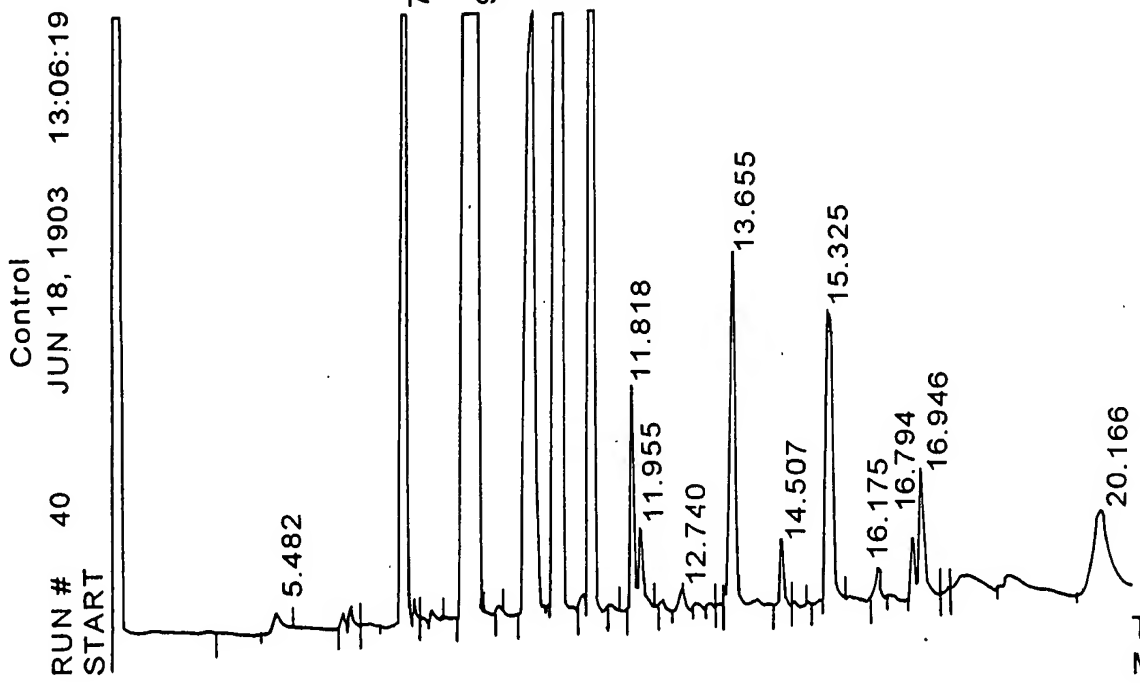
AREA%

RT	AREA	TYPE	WIDTH	AREA%
5.489	2422	PB	.100	.08095
6.640	2710	BV	.093	.09857
7.837	213917	BV	.101	7.14959
7.939	4303	VV	.977	.14382
9.161	1148278	PV	.217	38.37803
9.296	3801	VV	.068	.10030
10.115	329268	BV	.210	11.00461
10.693	859412	VV	.166	28.72348
10.855	4063	PV	.094	.13579
11.215	316476	VB	.095	10.57734
11.435	2001	PB	.077	.06688
11.848	13159	PV	.070	.43980
11.964	18519	VB	.103	.61895
12.384	1874	BB	.065	.06263
12.754	2144	BB	.067	.07166
13.670	14099	BB	.070	.47122
13.957	22166	PV	.075	.74084
14.535	10194	PB	.112	.34071
15.378	13162	PB	.072	.43990
16.194	3582	BV	.092	.11972
16.810	5476	PV	.078	.18302
16.988	1801	VB	.065	.06019

TOTAL AREA=2992019

MUL FACTOR=1.0000E+00

Figure 5A



RUN# 40 JUN 18, 1903 13:06:19

SAMPLE NAME: KESHUN SAMPLE# 22
AREA%

RT	AREA	TYPE	WIDTH	AREA%
5.482	1623	PB	.111	.12355
7.757	62778	PB	.872	4.77838
9.044	632452	BB	.160	48.14558
9.982	33871	PV	.151	6.38469
10.537	309578	PB	.104	23.56668
11.083	101892	VB	.085	7.75655
11.818	12575	PY	.073	.95727
11.955	7326	VB	.117	.55769
12.740	1637	PP	.081	.12462
13.655	23464	BB	.086	1.78620
14.507	4169	BB	.082	.31737
15.325	32289	PB	.141	2.45801
16.175	2902	PV	.105	.22092
16.794	3350	PV	.071	.25502
16.946	11639	VB	.118	.88602
20.166	22089	PH	.354	1.68153

TOTAL AREA=1313626
MUL FACTOR=1.0000E+00

Figure 5B